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ABSTRACT

This book addresses the subject of integrating new technology in science instruction and is designed for pre-service teachers, inservice teachers, curriculum and instructional leaders, consultants, and designers of instructional materials for science. Examples for instructional practice lie within the elementary and middle level grade range while the main ideas can be generalized to other levels, subjects, and settings. Some of the assumptions upon which this monograph is based are that technology is invisible when effectively integrated in science instruction, that science and technology should be accessible to all students, and that academics and fun are compatible. The 10 chapters cover topics related to technology and learning in science: ready-to-go instruction, observing in science, using information sources, investigating, interpreting and reporting results, assessing science knowledge, and teachers as researchers. Throughout the chapters are a total of 89 hands-on activities, 10 cartoons, and 93 figures and illustrations. (DDR)

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